

Work Order ID 156094***156094***

Page 1

Thursday, January 26, 2017 10:35:44 AM

Item ID: D4182-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Fitting, Quick Disconnect

Start Date: 1/31/2017 Start Qty: 6.00

6

Cust Item ID:

Required Date: 2/14/2017 Req'd Qty: 6.00

6

Customer:

Reference:

Approvals: Process Plan: **DAS**
21
9-89 Date: **JAN 26 2017**

Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4182	B

100

0.00

JAN 31 2017***100***

PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: **35139**
Purchase Part Number: P/N 6718K52
Supplier: MCMASTER CARR
Material release note is required.

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Memo

0.02

Packaging

Ensure material release note is attached

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐				
OTHER : _____									

Work Order ID 156094

Thursday, January 26, 2017 10:35:44 AM

156094

Page 2

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Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							DAS 38 9-80
Quality Control									FEB 03 2017
130	Identify as per dwg & Stock Location: <u>54089</u>	0.00							
130									
Packaging	Memo	0.01							DAS 6 9-80
Packaging									FEB 07 2017
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.10							
Quality Control									17/2/8



FEB 07 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

Picklist Print

Thursday, January 26, 2017 10:35:48 AM

Page 1

Work Order ID: 156094

156094

Parent Item: D4182-1

D4182-1

Parent Item Name: Fitting, Quick Disconnect

Start Date: 1/31/2017

Required Date: 2/14/2017

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP Rev:A 10.10.05 new issue verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
6718K52		Purchased	No			110	Each	0.0000	1	6			
6718K52									**				
Fitting, Quick Disconnect													

D&S
9-10
FEB 03 2017

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____

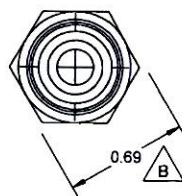
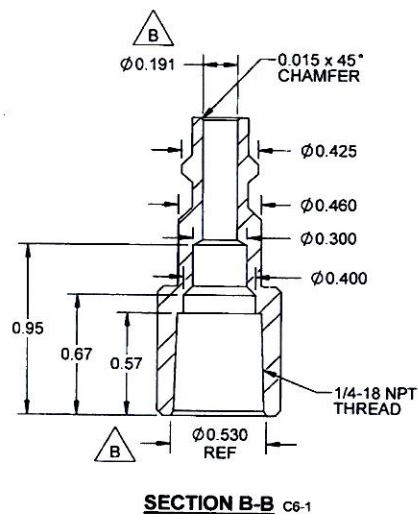
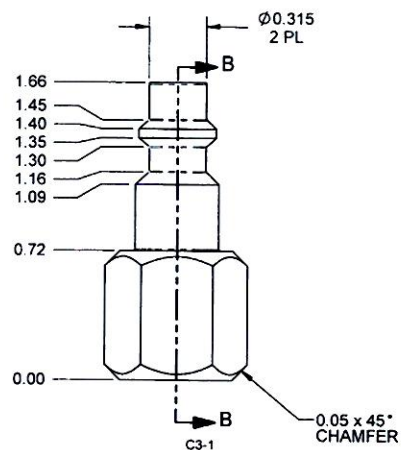
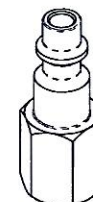
Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification ☐	☐	Pressure/Forced ☐	☐	Temperature/Cure ☐	☐
Design ☐	☐	Operator ☐	☐	Bending ☐	☐	Set-up ☐	☐
Doc/Data ☐	☐	Offset/Setup ☐	☐	Centre Not Concentric ☐	☐	BOM/Route ☐	☐
Equip/Tooling ☐	☐	Supplier ☐	☐	Cracks ☐	☐	Broken/Damage/Defect ☐	☐
Handling/Pre ☐	☐	Training ☐	☐	Crimp/Kink/Ripple/Wave ☐	☐	Inspection Incomplete/Unqualified ☐	☐
Material ☐	☐	Use for Testing ☐	☐	Cuffs ☐	☐	Contamination ☐	☐
Internal Transport ☐	☐	Poor Information ☐	☐	Crushing ☐	☐	Countersink ☐	☐
Tribal Knowledge ☐	☐	Rushing ☐	☐	Heat Treat ☐	☐	Cut Too Short ☐	☐
LOA ☐	☐	Product Improvement ☐	☐	Wave/Twist in Tube ☐	☐	Instructions Incomplete/Unclear ☐	☐
Substation ☐	☐	Process Improvement ☐	☐	Marks/Chatter ☐	☐	Drill Holes ☐	☐
Past Expiry Date ☐	☐	Manufacturing Process ☐	☐	OTHER : _____			
Misidentified ☐	☐	Past Due ☐	☐				

SPECIFICATION CONTROL DRAWING



D4182-1 FITTING, QUICK DISCONNECT

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 156094 MJS

1701-26

RELEASED
2011-06-30

- NOTES:**
- 1) MATERIAL: STAINLESS STEEL
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: PER QSI 044 6.1
 - 7) WEIGHT: 0.07 lbs
 - 8) POSSIBLE SUPPLIER: McMASTER CARR P/N 6718K52

B	0.191 WAS 0.201 (ZN D4-1); 0.57 WAS 0.45 (ZN C4-1); 0.69 WAS 0.62 (ZN B5-1)	RF	11.03.07
A	NEW ISSUE	RF	10.09.16
REV.	DESCRIPTION	BY	DATE
DESIGN	RF		
DRAWN	RF		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.03.07		

DART AEROSPACE USA, INC.
PORT HADLOCK, WA

DRAWING NO. REV. B
DSC-D4182 SHEET 1 OF 1
TITLE SCALE
FITTING NTS

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO35139**

Purchase Order Date 1/31/2017

PO Print Date 1/31/2017

Page Number 1 of 5

Order From :
MCMASTER-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

JAN 31 2017

Contact Name
Vendor Phone 330 995 5500

Ship To Contact
Ship To Phone
Ship Via: Purolator ground ppd
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
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1	9776K117	Flame Retardent Nylon Hook & Loop	2/2/2017 Yes 2/2/2017		100.00	\$1.32	\$132.00
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AS PER DWG D3800 REV. B
B156099

FEB 02 2017

Line Total: \$132.00

2	6718K52	Fitting, Quick Disconnect	2/2/2017 Yes 2/2/2017		6.00 Each	\$5.81	\$34.86
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AS PER DWG D4182 REV. B
B156094

FEB 03 2017

Line Total: \$34.86

Note:

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 10940161
Purchase Order: PO35139
Release:
McMaster-Carr Number: 6410711-02

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 31-Jan-2017 FOB: ORIGIN
Shipper's Export Declaration (SED):
NO EEI 30.36

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping
Attention:
Contact:

Line	Description	Qty & Unit	Unit Price	Extension
2	6718K52 303 Stainless Steel Industrial-Shape Air Hose Coupling Plug, 1/4 Coupling Size, 1/4 NPTF Female End Country of Origin: United States Schedule B #: 848190 ECCN #: 2B999 NLR	6 EA	\$5.81	\$34.86
3	9776K38 1" Wide x 75' Long Loop, Adhesive Back, Beige Country of Origin: United States Schedule B #: 590699 ECCN #: EAR99 NLR	1 EA	\$87.96	\$87.96
4	90296A108 18-8 Stainless Steel Screw-Lock Helical Insert 6-32 Thread Size, 0.276" Installed Length, Packs of 5 Country of Origin: United States Schedule B #: 731829 ECCN #: EAR99 NLR	5 PK	\$4.19	\$20.95
5	40035T16 Funnel for Closed Head Drums, 5-7/8 Gallon Capacity Country of Origin: United States Schedule B #: 392690 ECCN #: EAR99 NLR	1 EA	\$34.56	\$34.56
6	40035T24 Lid for Funnel for Closed Head Drums Country of Origin: United States Schedule B #: 392350 ECCN #: EAR99 NLR	1 EA	\$15.08	\$15.08

Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Shipping Weight (in kgs): 20

Number of Packages: 2

Invoice Amounts:

Merchandise Amount: \$378.10
Canadian GST/HST: \$53.82
Shipping Charges: \$36.02
Total (In USD): \$467.94

Package Dimensions:

31 X 31 X 32 CM = .032 CUBIC M
52 X 52 X 43 CM = .114 CUBIC M

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Remit payment to:

(by wire transfer)

Bank of America

222 Broadway

New York, NY 10038

Account 86665-02021

SWIFT BOFAUS33N

(by mail)

McMaster-Carr Supply Company

PO Box 7690

Chicago, IL 60680-7690 USA

Authorized Signature:

Date:

31-Jan-2017

Name: Sarah Weinberg

Title: Operations Mgr.



Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO35139

Order Placed By
Chantal Lavoie

McMaster-Carr Number
6410711-02

Page 1 of

01/31/201

Line	Product	Ordered	Shipped
2	6718K52 303 Stainless Steel Industrial-Shape Air Hose Coupling Plug, 1/4 Coupling Size, 1/4 NPTF Female End	6 Each	6
3	9776K38 1" Wide x 75' Long Loop, Adhesive Back, Beige	1 Each	1
4	90296A108 18-8 Stainless Steel Screw-Lock Helical Insert 6-32 Thread Size, 0.276" Installed Length, Packs of 5	5 Packs	5
5	40035T16 Funnel for Closed Head Drums, 5-7/8 Gallon Capacity	1 Each	1
6	40035T24 Lid for Funnel for Closed Head Drums	1 Each	1
7	8860K13 Bend-and-Stay 302/304 Stainless Steel Wire 0.025" Diameter, 1/4 lb. Spool, 145' Long	2 Each	2
8	7579A32 2-1/2" Long Round Nozzle with 1/8" Opening for Single-Component Dispensing Gun	30 Each	30
9	6835A15 Waterproof Sandpaper 600 Grit, 9" x 11", 50 Per Package, Packs of 50	1 Pack	1
10	71455K65 Size D Alkaline Disposable Batteries, Packs of 72	1 Pack	1

Shipped separately from our Chicago warehouse on 01/31

1	9776K117 1" Wide x 50' Long Hook, Adhesive Back, Beige	2 Each	2
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Notes about your shipment

The U.S. Department of Transportation regulates the shipping of line 10. By purchasing from McMaster-Carr Supply Company, you agree not transport or permit others to transport purchased items except in accordance with U.S. law and any other applicable laws.